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Agricultural Memorandum No 726

Agroclimatic Area Averages 1941-70: Effective Transpiration and Maximum Summer SMD

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Using the methods outlined in Ag Mems 715 and 718 (as amended), the following results were obtained with values given in inches.

Area	Effective Transpiration April-Sept	Est. Max. SMD HQ	M	LQ	Area	Effective Transpiration April-Sept	Est. Max. SMD HQ	M	LQ
1N	12.2	3.95	3.15	2.45	33	12.4	4.85	4.5	3.9
1S	12.5	3.85	3.15	2.45	34	12.3	4.95	4.45	3.75
2	12.7	2.85	1.8	1.4	35	13.9	4.35	3.85	2.9
3	13.9	3.05	2.05	1.3	36	13.5	4.45	3.85	2.95
4	13.2	2.8	1.7	1.0	37N	13.3	4.75	4.1	2.9
5	12.7	3.9	3.25	2.5	37S	13.6	4.75	4.05	2.75
6	13.3	1.75	0.35	0	38N	13.5	4.75	4.1	2.85
7	13.5	3.5	2.65	1.95	38S	13.8	4.75	4.0	2.6
8	15.1	3.35	2.3	1.25	39W	12.8	4.85	4.3	3.35
9	14.6	4.1	3.25	2.6	39E	12.6	4.95	4.4	3.6
10	13.8	2.85	1.75	0.85	40	15.3	3.95	3.5	2.45
11	14.0	3.9	3.05	2.3	41	15.3	3.35	2.8	1.7
12	12.6	4.35	3.65	2.95	42	15.7	3.2	2.7	1.55
13	12.8	4.35	3.65	2.95	43NW	15.1	2.2	1.6	0.3
14	14.4	4.15	3.35	2.4	43SE	15.0	3.8	3.25	2.2
15W	14.6	3.85	2.85	2.0	44	14.9	2.75	2.05	0.85
15E	13.4	4.3	3.6	2.7	45W	14.2	4.35	3.85	2.9
16	12.6	4.65	4.2	3.25	45E	14.0	4.2	3.65	2.7
17W	12.5	4.75	4.35	3.4	46	13.5	4.75	4.05	2.75
17E	12.9	4.55	3.95	3.1	I.O.W.	13.7	4.95	4.2	3.05
18N	14.0	4.2	3.45	2.5	47	14.8	3.75	3.0	2.2
18S	14.7	3.9	2.95	2.05	48N	14.9	1.0	0	0
19	13.5	4.4	3.75	2.85	48S	14.7	1.5	0.55	0
20	13.4	4.4	3.75	2.85	49N	14.4	2.75	2.15	1.2
21	13.1	4.55	4.05	3.1	49S	14.2	2.65	2.1	1.1
22W	13.0	4.45	4.0	3.0	50	15.8	3.25	2.25	1.2
22E	12.7	4.7	4.2	3.25	51	15.4	1.55	0.4	0
23	12.0	4.9	4.55	3.9	52	15.7	3.5	2.55	1.6
24	12.5	4.85	4.45	3.75					
25N	13.9	4.25	3.55	2.6					
25S	14.8	4.0	3.25	2.45					
26	13.8	4.35	3.65	2.75					
27	13.1	4.6	4.05	3.1					
28	12.0	4.9	4.45	3.8					
29	12.4	4.9	4.5	3.9					
30	14.4	4.25	3.55	2.55					
31N	12.6	4.75	4.25	3.25					
31S	13.4	4.65	4.0	2.65					
32	12.8	4.75	4.2	3.15					

Note that no adjustment has been made for length of growing season or for type of soil in the estimation of effective transpiration

Any comments or suggestions on this paper should be referred to the author.

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